

TATA Photon Whiz User Manual



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1.Introduction

Thank you for using TATA Photon Whiz USB Modem.

The User Guide contains important information on the proper use and correct operation of Photon Whiz USB Data Modem. We recommend that you read this manual carefully to ensure optimal performance.

The pictures, symbols and contents in this manual are just for your reference. They might not be completely identical with your USB Modem.

With the TATA Photon Whiz, you can easily:

- Access the Internet
- View the diagnostics
- Make and answer calls
- Use the call logs service
- Send and receive message
- Use the phonebook

2.Features

Technical Standard	CDMA2000 1X
USB Interface Standard	USB 2.0 Full Speed

Maximum Transmit Power	>24dBm
Data Rate	153.6kpbs
Frequency Band	800 MHz
Dimensions	89×28×10.5mm
Weight	22g
Operating Temperature	0℃ to 55℃
Storage Temperature	20℃ to 65℃

3.System requirements

To use the USB Modem, the following requirements are recommended for your computer:

- CPU: Pentium4 1GHz or above
- Memory: 256MB or above
- Hard Disk: 50MB free disk space
- OS: Windows 2000/XP/Vista or Macintosh Operating System
- Interface: USB1.1 or above

 Note:

If the configuration of your system is inferior to the recommended configuration, the running performance of the data modem may be affected.

4.Using the Device

For different operating systems, the installation process is different. Please note the process for the following Operating Systems

a.Installation Procedure for Windows

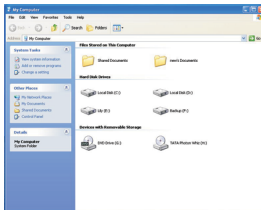
1.Connect USB Modem with PC

Connect the USB Modem with PC via USB

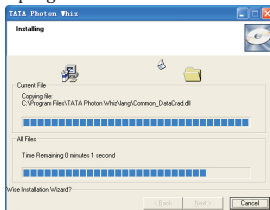


2.Install USB Modem Dialer & Driver

If PC opens the auto run function, it will pop up an installation interface. If not, please go to CD as shown in the figure below open it and double click the AutoRun.exe file or right click and click on Auto play.



Follow the instructions of the program.



Once the installation completes, the shortcut icon for TATA Photon Whiz Manager appears on the desktop.

3. Uninstalling

- Exit Management Procedures
- Un-install the Tata Photon Whiz Manager through Control Panel-> Add/Remove in the Windows

b.Installation Procedure for Mac OS

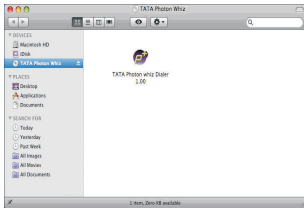
1.Connect USB Modem with PC

Connect the USB Modem with PC via USB

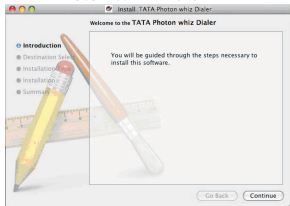


2.Install USB Modem Dialer & Driver

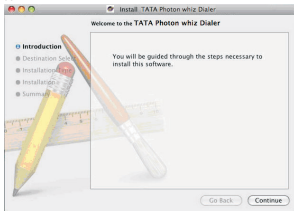
Insert the USB Modem into computer



Double click the icon of TATA Photon Whiz Dialer



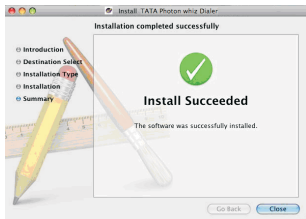
Click Continue then install.



Please enter your laptop's password when pop up window appears.



When installation is successful click on close button



3.Uninstalling

- Exit Management procedures.
- Open uninstall TATA Photon Whiz Dialer, click OK >OK.

c.Installation Procedure for Linux

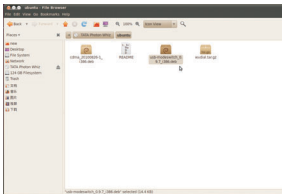
a.Connect USB Modem with PC

Connect the USB Modem with PC via USB.



b.Install USB Modem Dialer & Driver

Insert the USB Modem into computer. Before proceeding further, please make sure you have installed wvdial in your machine. If not then install it by typing the following command in your terminal :- `apt-get install wvdial`. You need internet connection for installing it or you can install it by double clicking wvdial package inside Ubuntu folder.



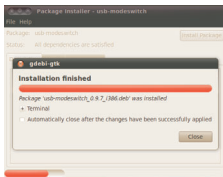
C.Now plug in your device , double click on the icon TATA Photon Whiz which will appear on your desktop screen .



There you will find 2 packages inside Ubuntu Folder :-

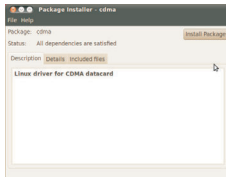
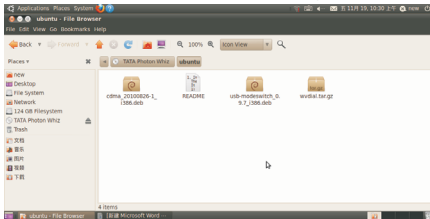
i.usb-modeswitch_0.9.7_i386.deb

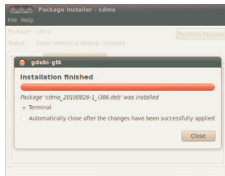
Double-click the "usb-modeswitch_0.9.7_i386.deb" package and install.



ii.cdma_20100826-1_i386.deb

Double-click the " cdma_20100826-1_i386.deb " package and install.





d.Reboot your machine after installing both the packages

After rebooting, open terminal and type :-

```
sudo gedit /etc/wvdial.conf
```

Make changes in it similar to commands mentioned below :-

```
[Dialer vmc101]
```

```
Init2 = AT+RF=1
```

```
Init3 = AT+CRM=0
```

```
Phone = #777
```

```
Username = internet
```

```
Password = internet
```

Modem = /dev/ttyUSB0

Click on save & close this window

Now in terminal type :-

sudo wvdial vmc101

If connected you will see in your terminal as the image below:-

```
haier@haier-laptop:~$ sudo wvdial
--> WvDial: Internet dialer version 1.60
--> Cannot get information for serial port.
--> Initializing modem.
--> Sending: ATZ
ATZ
OK
--> Sending: ATQ0 V1 E1 S0=0 &C1 &D2 +FCLASS=0
ATQ0 V1 E1 S0=0 &C1 &D2 +FCLASS=0
OK
--> Modem initialized.
--> Sending: ATDT#777
--> Waiting for carrier.
ATDT#777
CONNECT 153600
--> Carrier detected. Starting PPP immediately.
--> Starting pppd at Wed Apr 7 11:00:44 2010
--> Pid of pppd: 2202
--> Using interface ppp0
--> pppd: p00 p00
--> pppd: p00 p00
--> pppd: p00 p00
--> pppd: p00 p00
--> pppd: p00 p00
--> local IP address 10.66.51.116
--> pppd: p00 p00
--> remote IP address 192.168.240.83
--> pppd: p00 p00
--> primary DNS address 202.152.203.2
```

e.To disconnect press Ctrl+C

5.Using the Tata Photon Whiz Dialer

a.Accessing the TATA Photon Whiz Manager GUI

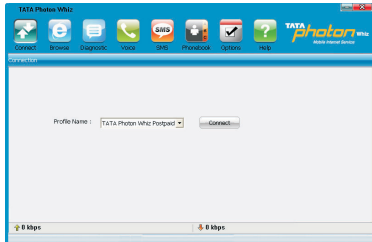
To start program, double-click the shortcut icon  of the TATA Photon Whiz Manager on the desktop.

b.Exiting the TATA Photon Whiz Manager

Click the button  on the right corner on the interface.

c.Main Functions

The initial interface after the TATA Photon Whiz Manager starts is as follows.



Shortcut Icon



: Access the Connect interface



: Start the default internet browser in your operating system



: View the Diagnostics



: Access the Call and Call log interface



: Access the SMS interface



: Access the Phonebook interface



: Access the Options interface



: View the Help document

i. Internet Service

Click  to display the Connect interface.

1. Choose a profile and click <Connect> to set up a connection;

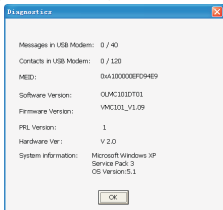
Please select TATA Photon Whiz Postpaid with postpaid users. If not, select TATA Photon Whiz Prepaid with prepaid users.

2. When the connection is set up, click  or start the browser on your computer, and then you can access the internet;

3. Click <Disconnect> to disconnect from the network.

ii. Diagnostics

The TATA Photon Whiz allows you to query information about the USB Modem. Click  to enter the Diagnostics dialogue box.



Message in USB Modem: This information is displayed in the format of “XX/YY” .
“XX” indicates the amount of the existing messages, and YY indicates the capacity of the USB Modem.

Contacts in USB Modem: This information is displayed in the format of “XX/YY” .
“XX” indicates the amount of the existing contacts, and YY indicates the capacity of the USB Modem.

MEID: The MEID number of the USB Modem.

Software Version: The software version of the USB Modem.

Firmware Version: The board software version of the USB Modem.

PRL Version: The version of the PRL.

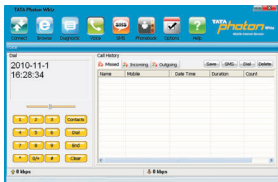
Hardware Ver: The hardware version of the USB Modem.

System information: The system information of the computer.

iii.Call Service

When you use the call service, you need to insert the earphone to the earphone jack on the USB Modem.

Click  to display the Voice Call and History interface.



Make a call

The TATA Photon Whiz provides many easy and quick ways to make a call.

Entering a telephone number directly

You can make a call by entering a telephone number directly.

1. Click the telephone keypad on the call interface;
2. Click <Dial> to make a call;
3. Click <End> to hang up.

Note: ● You can press <Clear> to delete number on the call interface digit by digit.

● You can press and hold <Clear> to clear the whole number.

Selecting a telephone number in the phonebook

You can make a call by selecting a telephone number in the phonebook.

1. Click <Contacts> and the phonebook interface is displayed. Double-click a contact or select a contact and then click <Dial>.

● If only one number in the selected contact, then the number is displayed on call interface and dial out.

● If two or more number(s) in the selected contact, double-click the selected number in the pop-up Select interface or click <OK> after selecting the number. The selected number is displayed on the call interface and dial out.

2. Click <End> to hang up.

Selecting a recently dialed number

You can make a call by selecting a number from the recently dialed number.

1.Click Dialed/Received/Missed, and click <Dial> after selecting the number. Then the number is dialed out.

2.Click <End> to hang up.

Answering a call

An alert window is displayed when there is an incoming call. You can choose the options in the follow.

1.Click <Answer> to answer the call

2.Click <Reject> to reject the call

Volume Adjustment

You can adjust volume during the call.

Call History

The call history contains information about dialed, received and missed calls. Each kind of call supports up to 50 items.

Missed/Incoming/Outgoing calls

Click Missed / Incoming / Outgoing, and the Missed / Incoming / Outgoing calls interface is displayed.

Saving a number

1. Select an item and click <Save>;
2. The Select Position interface is displayed, and select the position you want to save;
3. Click <OK>;
4. The New Contact interface is displayed. Enter required relevant information for this contact.
5. Click <OK> to save the contact.

Deleting a call

You can delete one or more item(s) from the call history.

1. Select one or more item(s), click <Delete>;
2. Click <OK> to confirm.

Making a call

You can dial the number of the call history.

1. Select an item and click <Dial>;
2. The Dial interface is displayed, and the selected number appears automatically on the interface, and dialed out at the same time.

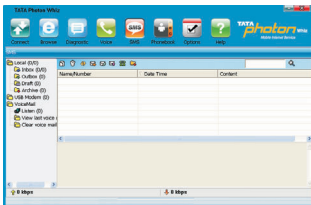
Sending a message

You can send a message to the number of the call history.

1. Select one or more item(s) and click <SMS>;
2. The TATA Photon Whiz automatically retrieves the number in the selected items, and the Writ SMS interface is displayed.
3. The retrieved numbers are automatically displayed in the blank field behind the Contacts. Input the content for the message and click <Send>.

iv.SMS

Click  to display the SMS interface.



Inbox

The inbox stores messages you have received. It supports up to 500 messages. When the inbox is full and a new message is coming, the earliest message in the inbox is deleted automatically.

Outbox

The messages you have sent out are saved in the Outbox. Up to 500 messages can be stored in the Outbox. When the Outbox is full and an additional message is coming, the earliest message in the Outbox is deleted automatically.

Draft

The messages that you write on the Write SMS window, if having been saved, can be stored in the draft. Up to 500 messages can be stored in the draft.

Archive

The message you have moved from the inbox can be stored in the archive. Up to 500 messages can be stored in the Archive.

Viewing a message

You can view a message in the Inbox/Outbox/Draft/Archive directly.

1. Click **Inbox/Outbox/Draft/Archive** to open and browser the **Inbox/Outbox/Draft/Archive**.

2. When there is a new message, you can see the alert window. Click <View> to view the message, Click <Cancel> to close the window.

Writing a new message

1. Click  and the Write SMS interface is displayed;

2. Enter the telephone number(s) by one of the following ways:

- To enter one or more number directly: In the Contacts textbox, enter the numbers separated by semicolons ;

- To select a number from the Contacts: Click <Contacts>. Select one or more contact(s) and click <OK>. Select the number to send a message in the pop-up dialog box and click <OK>.

3. Input the message. The maximum length of each message is 160 characters.

4. Click <Templates> to insert message template.

5. Click <Send> to send message.

- After the message is sent successfully, it is automatically saved to the Outbox. If the message is sent unsuccessfully, the message is saved to Outbox.

Click <Save> to save message to the Draft.

Click <Clear> to clear the message content.

Click <Close> to close the window.

Note: ● The TATA Photon Whiz supports to send a message to a group of up to 40 numbers.

- When your message contains no more than 160 characters, it is sent as one message. If this limit is exceeded, the message is divided to several messages and sent one by one.

Replying to a message

You can reply to a message directly in the inbox.

1. Select a message and click ;
2. The telephone number of the original sender appears automatically in the blank filed behind <Contacts> and you can change it;
3. Input the content for the message to reply;
4. Click <Send> to reply a message.

Forwarding a message

In Inbox/Outbox, you can forward a message to other contacts.

1. Select a message and click ;
2. Input the telephone number to forward to, or click <Contacts> to select the number;
3. The content of the message to forward displays automatically in the text box. You can edit it.

4. Click <Send> to forward a message.

Deleting a message

In inbox/outbox/draft/Archive, you can delete a message.

1. Select one or more message(s) and click ;
2. Click <OK> to confirm.

Extracting a number

You can save the number of a message to the phonebook.

1. Select a message and click ;
2. The Select Number interface is displayed, select the number and click <OK>;
3. The Select Position interface is displayed, select the position and click <OK>;
4. Input the required information of this number;
5. Click <OK>.

Searching a message

The TATA Photon Whiz provides the function of search a message in the SMS.

1. Enter relevant searching term in the text box, and click ;
2. The message that matches the condition specified will be shown on the screen.

Making a call

You can call back the number of a message sender.

1. Select a message and click ;
2. The Dial interface is displayed. The number of the message sender is displayed and dialed out automatically at the same time.

Editing a message

In Outbox/Draft, you can edit a message.

1. Select a message and click ;
2. Change the information and click <Send> or <Save>.

Archiving a message

In Inbox, you can archive a message.

1. Select a message and click ;
2. You can archive a message in the Inbox to the Archive.

Resuming a message

1. Select a message and click ;
2. You can resume a message in the Archive to the Inbox.

Transferring a message between PC and USB Modem

You can import the message saved in the PC and USB Modem from one to another.

1. Click  and the Transfer SMS interface is displayed;
2. Select the source location and target location in the drop-down box;

3. Select an operation mode:

- <Copy> : The SMS in the source location is kept
- <Move> : The SMS in the source location is deleted

4. Select a message in the source location and click the below arrows:

- Click  : Transfer the SMS from the below side of the arrow to the above side of the arrow.
- Click  : Transfer the SMS from the above side of the arrow to the below side of the arrow.

Note : ● There is only option of transferring the messages between inbox's of PC and USB modem. User cannot transfer the sent messages.

VoiceMail

1. Click <Listen> to open the Voice dialogue box and receive the voicemail. If the <Listen> is blank, which means there is no voice mail.
2. Click <View last voice mail> to view the text message in last voice mail.
3. Click <Clear voice mail icon> to clear the information of the voice mail.

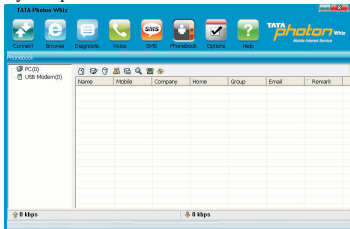
v.Phonebook Service

The TATA Photon Whiz can store up to 500 contacts.

You can create, modify and delete the contacts. You can also send messages to the

contacts. The TATA Photon Whiz also supports the import/export of the contacts for your convenience to manage the contacts.

Click  to display the phonebook interface.



Creating a contact

1. Click  and the Contact interface is displayed;
2. Select an image for the current entry and edit the information of the entry;
3. Click <OK> to save a new contact to the phonebook.

Modifying a contact

1. Select a contact and click  ;
2. Modify the relative information t;
3. Click <OK> to save.

Deleting a contact

1. Select one or more contact(s) from the phonebook and click  ;
2. Click <OK> to confirm.

Grouping in the phonebook

1. Click  and the Group interface is displayed;
2. Click <New> to create a new group;
 - Input the group name, and click <Edit Member> to add or delete the group member;
 - Click <OK> to save the group;
 - Click <Cancel> to close the window.
3. Select the group name and click <Edit> to modify the information of this group;
4. Select the group name and click <Delete> to delete this group;
5. Click <Close> to close the window.

Searching a contact

The TATA Photon Whiz provides the function of searching a contact in the phonebook.

1. Click  and the Search Contact interface is displayed;

2. Enter relevant searching terms in the value text box to click <Search>;
3. Click <Ahead> or <Next> to scroll among the entries which have been found.

Making a call

You can dial out the number you have selected from the phonebook.

1. Select the contact that contains the number to dial from the phonebook, and click . If the selected contact contains only one telephone number, the dial interface is displayed automatically.

If two or more telephone numbers are contained in the selected contact, the Select number interface is displayed and you are prompted select one number. After doing that, click <OK> and the dial interface is displayed.

2. The selected number is appears on the dial interface automatically and dialed out automatically at the same time.

Sending a message

The TATA Photon Whiz allow you to select a number from the phonebook and send a message.

1. Select a contact from the phonebook;
2. Click  and the Write SMS interface is displayed;
3. The Name or number appears in the blank field behind the <Contacts>. Input the

content for the message and Click <Send>.

Transferring a contact between PC and USB Modem

You can import the contacts saved in the PC and USB Modem from one to another.

1. Click  and the Transfer Dialog is displayed;

2. Select the source location and target location in the drop-down box;

3. You can do follows:

- <Copy Some>: Copy the selected phonebook entries to the target location;
- <Move Some>: Move the selected phonebook entries from the source location to the target location;
- <Copy All>: Copy all phonebook entries of the source location to the target location;
- <Move All>: Move all phonebook entries of the source location to the target location.

Importing a contact

The TATA Photon Whiz allows you to import the contacts from a file in a specified format to the USB Modem contacts. The TATA Photon Whiz supports for importing of the *.csv and *.vcf files.

1. Select “Import Pb” option by clicking the right key of the mouse;

2. Select the importing mode;

3. Click <OK> to load the contact to the phonebook.

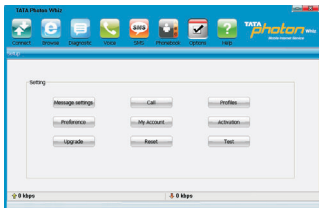
Exporting a contact

The TATA Photon Whiz allows you to export the contacts from the USB Modem contacts to a file.

1. Select “Export Pb” option by clicking the right key of the mouse;
2. Select the desired file format (*.csv / *.vcf.);
3. Click <Save> to finish.

vi.Options

Click  to display the Options interface.



Message Settings

Priority - Select the priority level for sending a message.

Validity Period - In the period of validity, the message center will repeat to deliver a message till it is received.

Delivery Report - You can enable or disable this function. If the function is enabled, after you send a message, the network can send a message to inform you that the receiver has got the message you have sent.

Defer Delivery - Select the time for sending a message.

Voice mailbox number - Enter the voice mailbox number in the editing box.

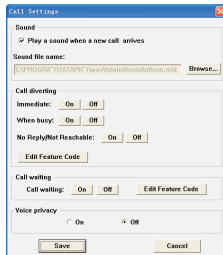
Alert Window - Check the box, replace the last message automatically when inbox is full; Check the box, and an alert window is displayed whenever a new message comes.

Alert tone - If a sound file is selected, it plays on the earphone of TATA Photon Whiz whenever a new message comes. Click <Browse > to select a sound file.

Click <Save> to save the settings.

Call Settings

Call settings provide you with the following functions: sound, call diverting, call waiting and call privacy.



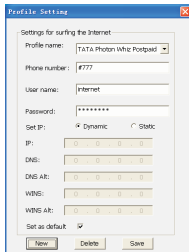
Sound: If a sound file is selected, it plays on the earphone of TATA Photon Whiz whenever a call comes. Click <Browse> to select a sound file.

Call diverting: This service enables you to divert some incoming calls to other preset numbers.

Call waiting: You can set enable or disable the call waiting.

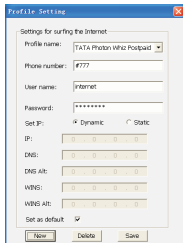
Voice privacy: You can enable or disable the voice privacy.

Profiles Setting



Creating a profile

1. Click <New> to open the New Profile dialogue box;
2. Enter a new profile name in the Profile Name field;
3. Enter required relevant information for the settings;



4. Click <Save> to finish.

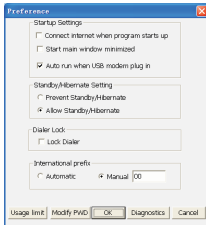
Deleting a profile

1. In the Profile Name field, select a profile to delete;
2. Click <Delete>.

Modifying a profile

1. In the Profile Name field, select a profile to modify
2. Modify the relevant information for the settings;
3. Click <Save> to finish.

Preference Setting



Click <Preference> and the Password Confirm interface is displayed. You need to enter the password. The default password is 0000.

Startup Setting

You can set the Dialer to connect internet when program start up, start main window minimized and auto run when USB modem plug in.

Standby / Hibernate Setting

You can set TATA Photon Whiz Manager to prevent or allow standby / hibernate.

Dialer Lock

You can set dialer lock. Dialer lock only locks dialer in same PC.

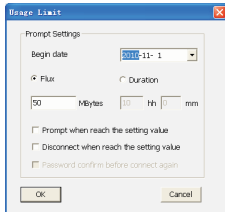
International prefix

You can select automatic or manual to set the international prefix.

Usage Limit

1. Click <Usage limit> and the Usage Limit interface is displayed;
2. Enter required relevant information for the settings

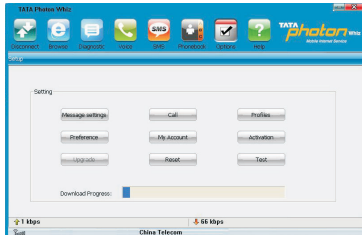
Prompt Settings: You can set the Begin date, and according to the Flux or Duration choose the settings. Check the Prompt when reach the setting value or Disconnect when reach the setting value to set the alert window.



3. Click <OK> to save the settings.

Modify PWD

1. Click <Modify PWD> and the Modify Password interface is displayed;
2. Enter the current password and the new password, and click <OK> to modify it



Diagnostics

The TATA Photon Whiz allows you to query information for the USB Modem. For more information, see the Diagnostics .

My account

Click <My Account> and jump to the My Account interface in your default browser. To open the My Account, you must connect to internet first. Then you can set up your account now.

Activation

- 1.Click <Activation> and the Activation interface is displayed.
- 2.Choose Prepaid or Postpaid, and enter PIN code, then click <Activate> to finish.

Upgrade

- 1.Click <Upgrade> and you will then be asked if you would like to upgrade. To open the Upgrade, you must connect to internet first.
- 2.Select <OK> to upgrade.

Reset

Click <Reset> to restore all configure to factory-default setting.

Test

- 1.Click <Test> and the Test interface is displayed. The test content included Registry, Modem, Port, Driver and Profiles.
- 2.Click <Start test> to start the testing process.

vii.Help Document

Click  to display the Help interface. The TATA Photon Whiz provides the function of viewing help document.

Packing List

No	Content	Quantity/unit
1	CDMA 1X USB Modem	1pc
2	User Manual	1pc
3	Warranty Terms & Service Centre List	1pc
4	USB Extension Cable	1pc
5	Headset	1pc

